

**FIG. 1**

ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime
...	...	...	...	...	...	...
PO#123	8:00am	Seattle	150	1600	8:24am	12:45pm
PO#124	8:30am	Seattle	234	2840	8:45am	1:20pm
PO#125	8:35am	Redmond	87	970	9:05am	2:30pm
PO#126	8:45am	Seattle	450	5000	9:20am	3:10pm
PO#127	8:55am	Redmond	200	2500	9:30am	<NULL>
PO#128	8:57am	Seattle	340	3900	9:20am	3:05pm
PO#129	9:12am	Seattle	120	1300	9:45am	<NULL>
PO#130	9:30am	Redmond	25	350	10:15am	<NULL>
PO#131	9:45	Seattle	250	3000	10:35am	<NULL>
PO#132	10:00am	Redmond	100	1100	<NULL>	<NULL>
PO#133	10:15am	Seattle	230	2800	<NULL>	<NULL>
PO#134	10:25am	Redmond	45	550	<NULL>	<NULL>
...	...	...	...	...	...	...

**FIG. 2**

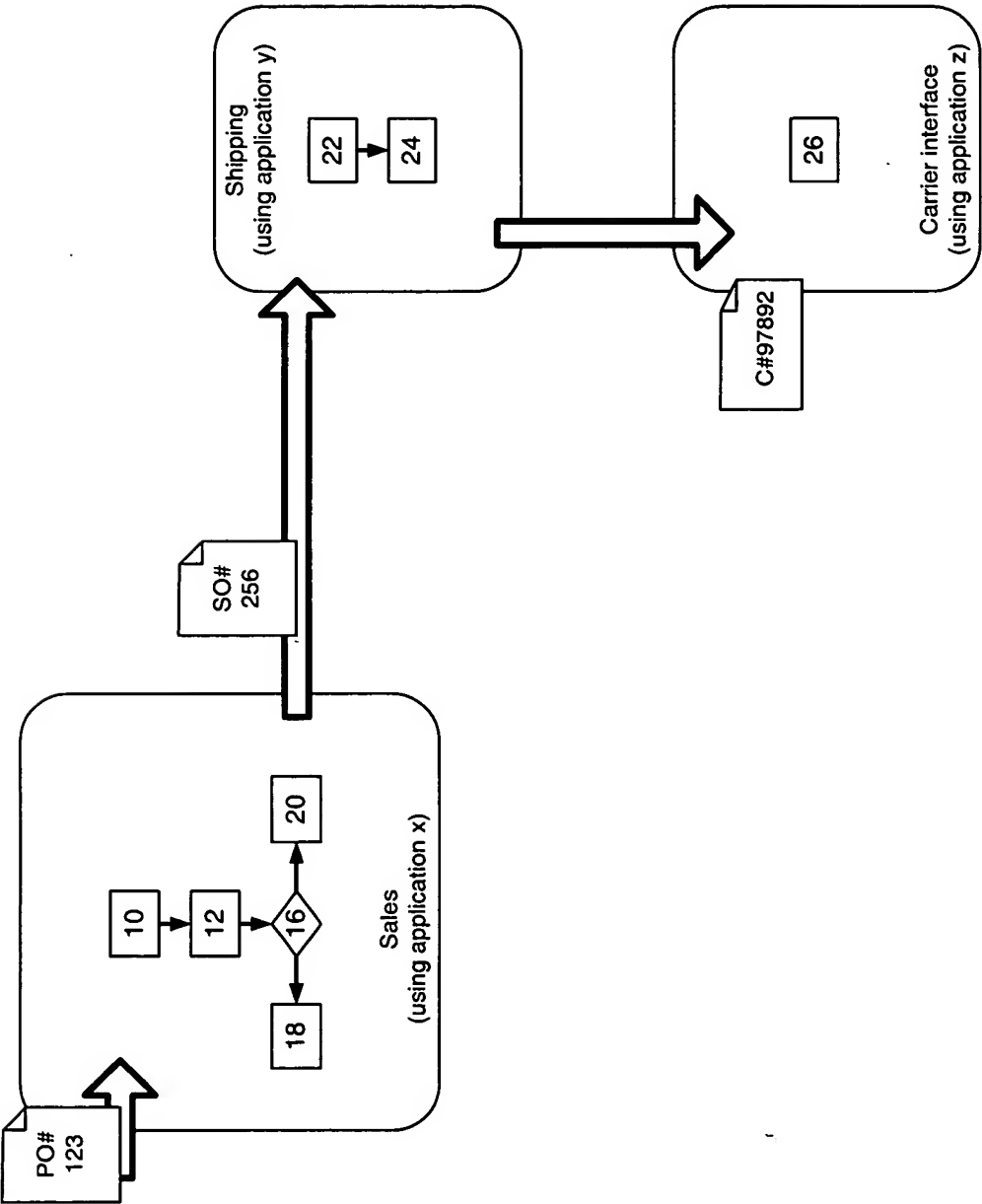


FIG. 3

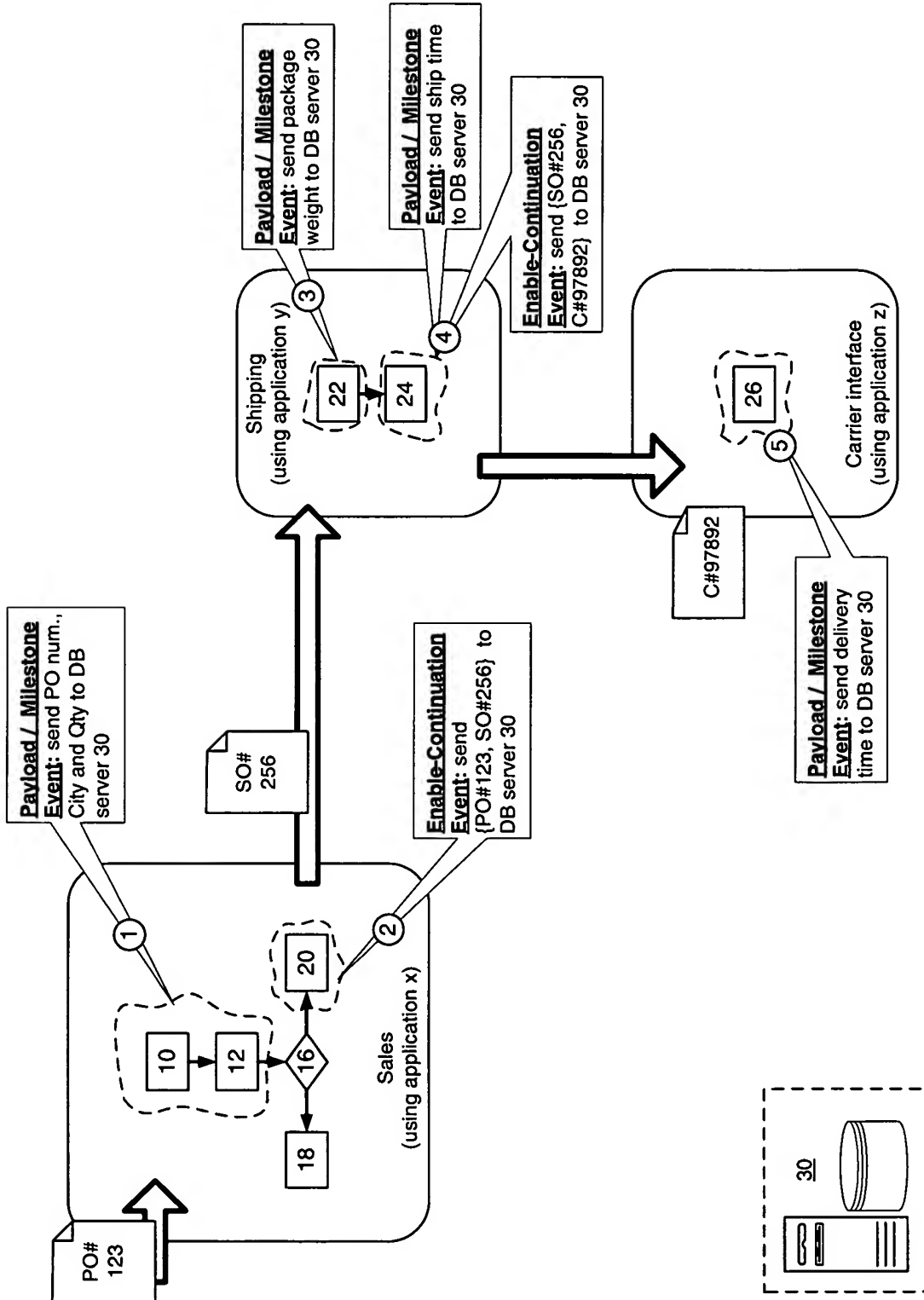


FIG. 4

**Step 1:**

PO\_InstanceData

ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime
...	...	...	...	...	...	...
PO#123	8:00am	Seattle	150	<NULL>	<NULL>	<NULL>
...	...	...	...	...	...	...

32

**Step 2:**

PO\_InstanceData

ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime
...	...	...	...	...	...	...
PO#123	8:00am	Seattle	150	<NULL>	<NULL>	<NULL>
...	...	...	...	...	...	...

32

PO\_Continuations

ActivityID	ContinuationToken
...	...
PO#123	SO#256
...	...

34

**FIG. 5A**

**Step 3:**

PO\_InstanceData 32

ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime
...	...	...	...	...	...	...
PO#123	8:00am	Seattle	150	1600	<NULL>	<NULL>
...	...	...	...	...	...	...

PO\_Continuations 34

ActivityID	ContinuationToken
...	...
PO#123	SO#256
...	...

**Step 4:**

PO\_InstanceData 32

ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime
...	...	...	...	...	...	...
PO#123	8:00am	Seattle	150	1600	8:24am	<NULL>
...	...	...	...	...	...	...

PO\_Continuations 34

ActivityID	ContinuationToken
...	...
PO#123	C#97892
...	...

**FIG. 5B**

**Step 5:**

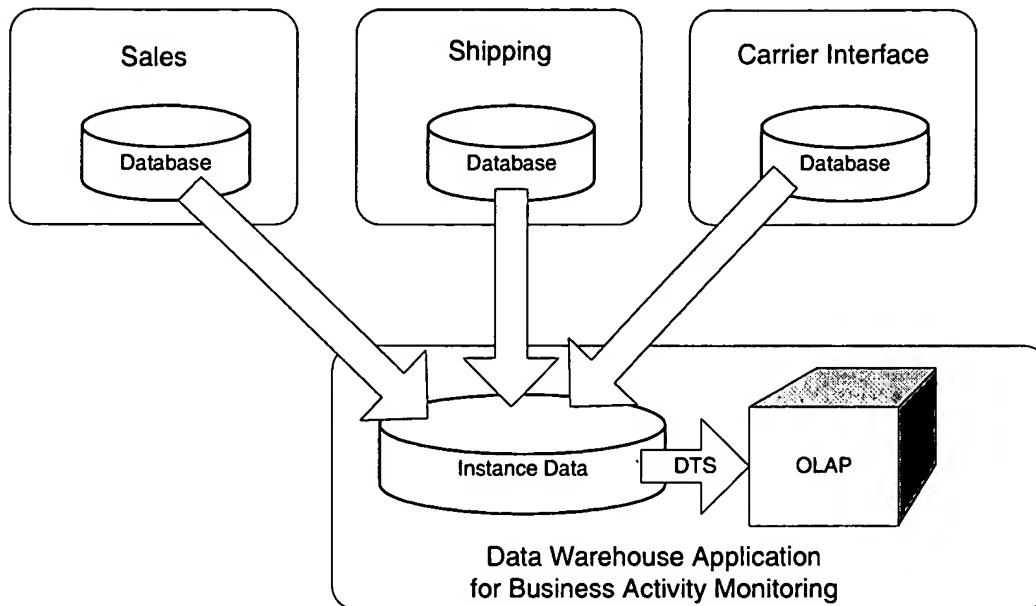
PO\_InstanceData

ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime
...	...	...	...	...	...	...
PO#123	8:00am	Seattle	150	1600	8:24am	12:45pm
...	...	...	...	...	...	...

PO\_Continuations

ActivityID	ContinuationToken
...	...
...	...
...	...

**FIG. 5C**



**FIG. 6**

ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime
...	...	...	...	...	...	...
C#97892	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	12:45pm
C#97893	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	1:20pm
C#97894	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	2:30pm
C#97895	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	3:10pm
SO#230	<NULL>	<NULL>	200	2500	9:30am	<NULL>
C#97897	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	3:05pm
SO#232	<NULL>	<NULL>	120	1300	9:45am	<NULL>
SO#233	<NULL>	<NULL>	25	350	10:15am	<NULL>
SO#234	<NULL>	<NULL>	250	3000	10:35am	<NULL>
PO#132	10:00am	Redmond	100	1100	<NULL>	<NULL>
PO#133	10:15am	Seattle	230	2800	<NULL>	<NULL>
PO#134	10:25am	Redmond	45	550	<NULL>	<NULL>
...	...	...	...	...	...	...

**FIG. 7**

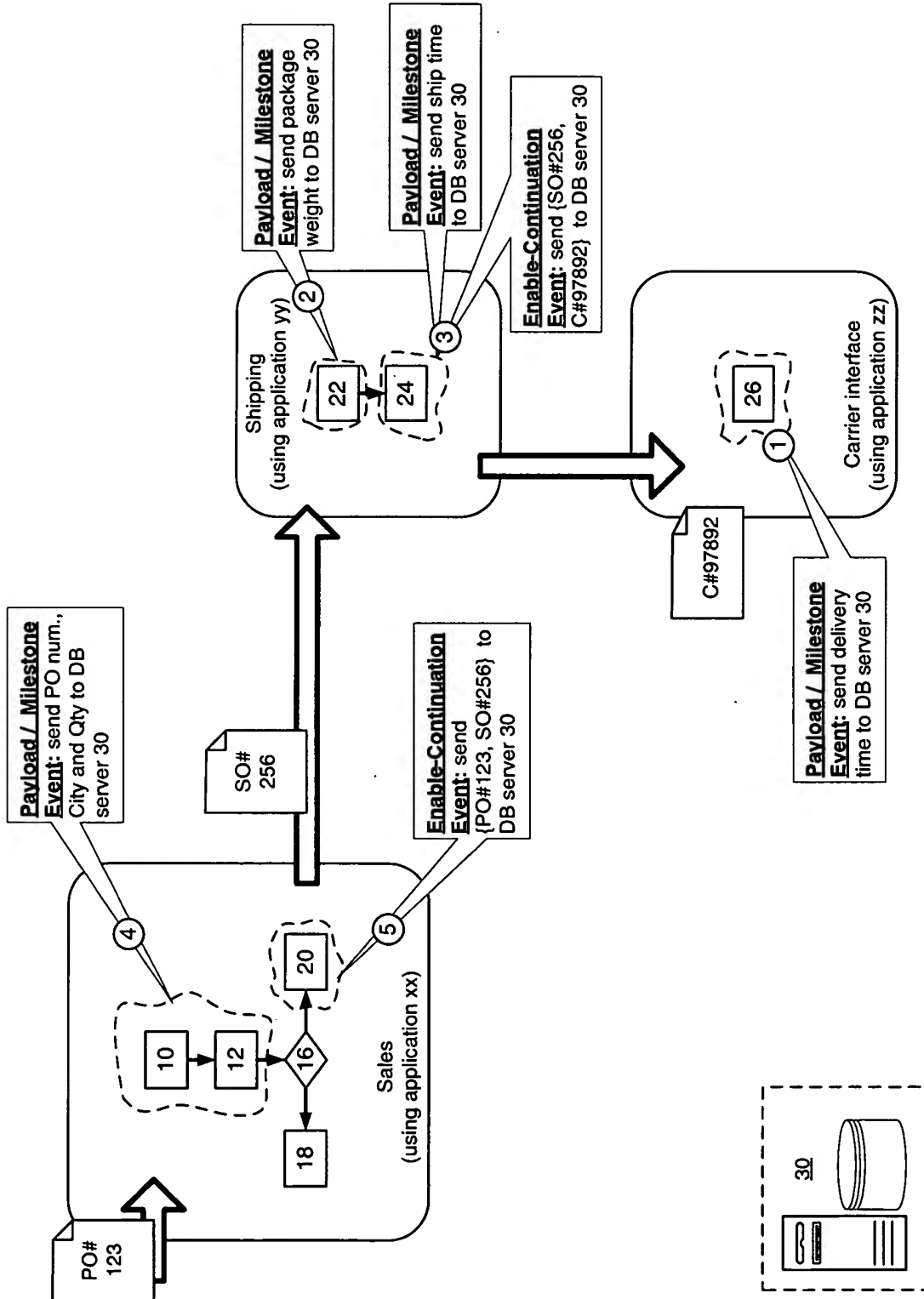


FIG. 8

Step 1

PO_InstanceData									
IsVisible	IsCompleted	ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime	
...	...	...	...	...	...	...	...	...	...
0	1	C#97892	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	12:45pm	
...	...	...	...	...	...	...	...	...	...

132

PO_Continuations	
ActivityID	ContinuationToken
...	...
...	...
...	...

134

Step 2

PO_InstanceData									
IsVisible	IsCompleted	ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime	
...	...	...	...	...	...	...	...	...	...
0	1	C#97892	<NULL>	<NULL>	<NULL>	<NULL>	<NULL>	12:45pm	
...	...	...	...	...	...	...	...	...	...
0	0	SO#256	<NULL>	<NULL>	<NULL>	1600	<NULL>	<NULL>	
...	...	...	...	...	...	...	...	...	...

132

PO_Continuations	
ActivityID	ContinuationToken
...	...
...	...
...	...

134

FIG. 9A

Step 3

132

PO_InstanceData									
IsVisible	IsCompleted	ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime	
...	...	...	...	...	...	...	...	...	...
0	1	SO#256	<NULL>	<NULL>	<NULL>	1600	8:24am	12:45pm	
...	...	...	...	...	...	...	...	...	...

134

PO_Continuations	
ActivityID	ContinuationToken
...	...
...	...
...	...

Step 4

132

PO_InstanceData									
IsVisible	IsCompleted	ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime	
...	...	...	...	...	...	...	...	...	...
0	1	SO#256	<NULL>	<NULL>	<NULL>	1600	8:24am	12:45pm	
...	...	...	...	...	...	...	...	...	...
1	0	PO#123	8:00am	Seattle	150	<NULL>	<NULL>	<NULL>	
...	...	...	...	...	...	...	...	...	...

134

PO_Continuations	
ActivityID	ContinuationToken
...	...
...	...
...	...

FIG. 9B

Step 5: (Event 2 received)

132

PO_InstanceData									
IsVisible	IsCompleted	ActivityID	RecvTime	City	Quantity	PkgWeight	ShipTime	DeliveryTime	
...	...	...	...	...	...	...	...	...	
1	1	PO#123	8:00am	Seattle	150	1600	8:24am	12:45pm	
...	...	...	...	...	...	...	...	...	

134

PO_Continuations	
ActivityID	ContinuationToken
...	...
...	...
...	...

FIG. 9C

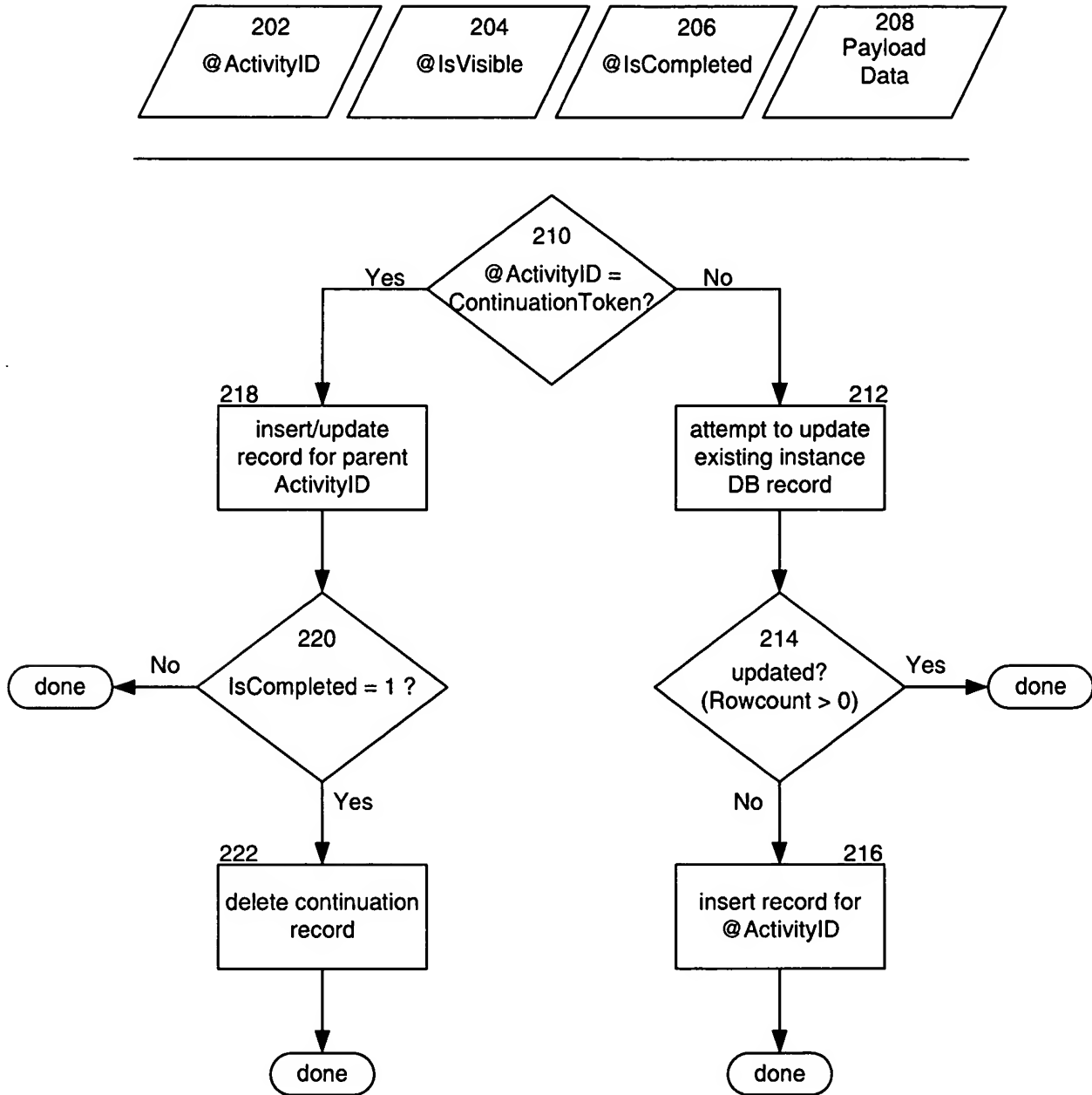


FIG. 10

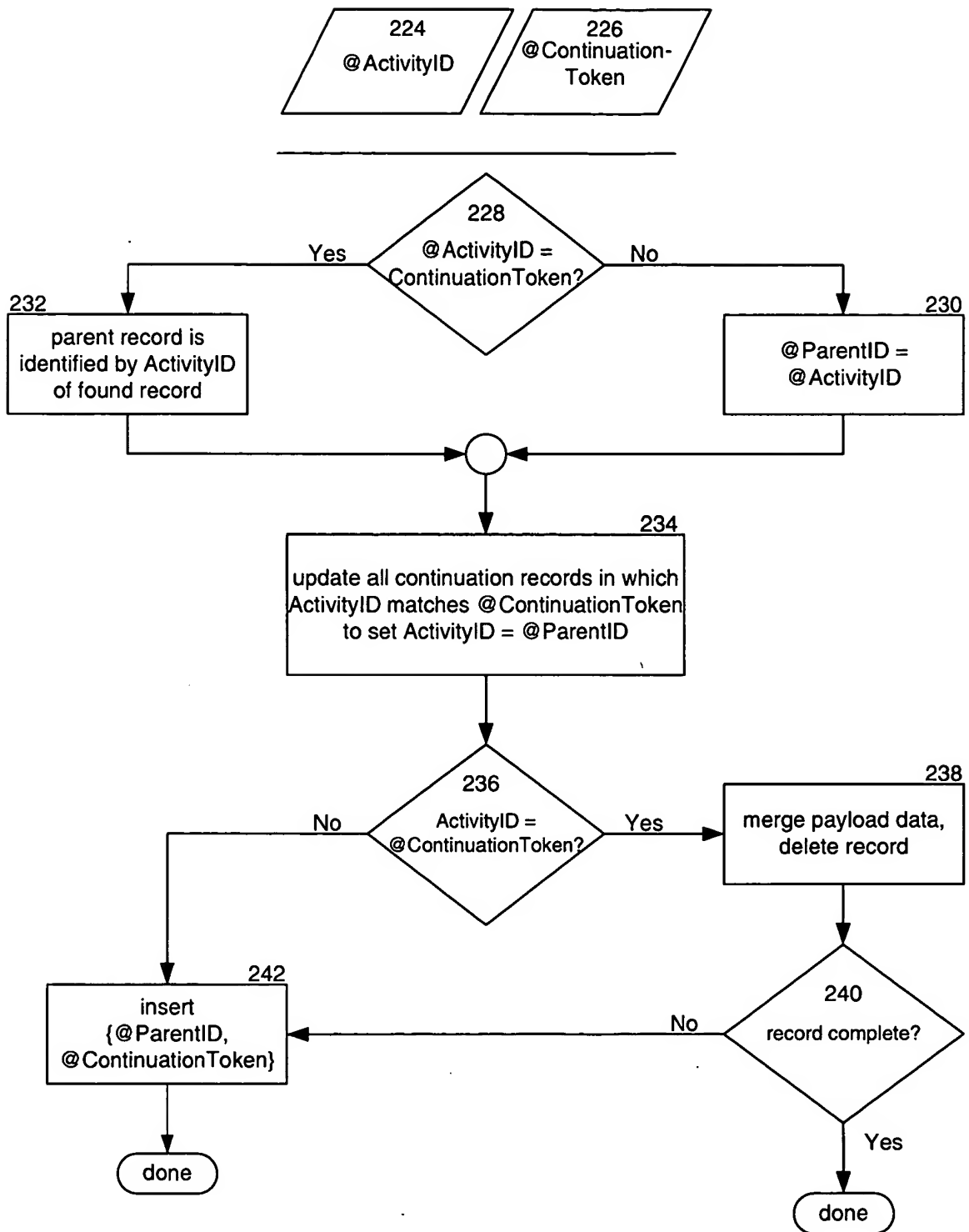
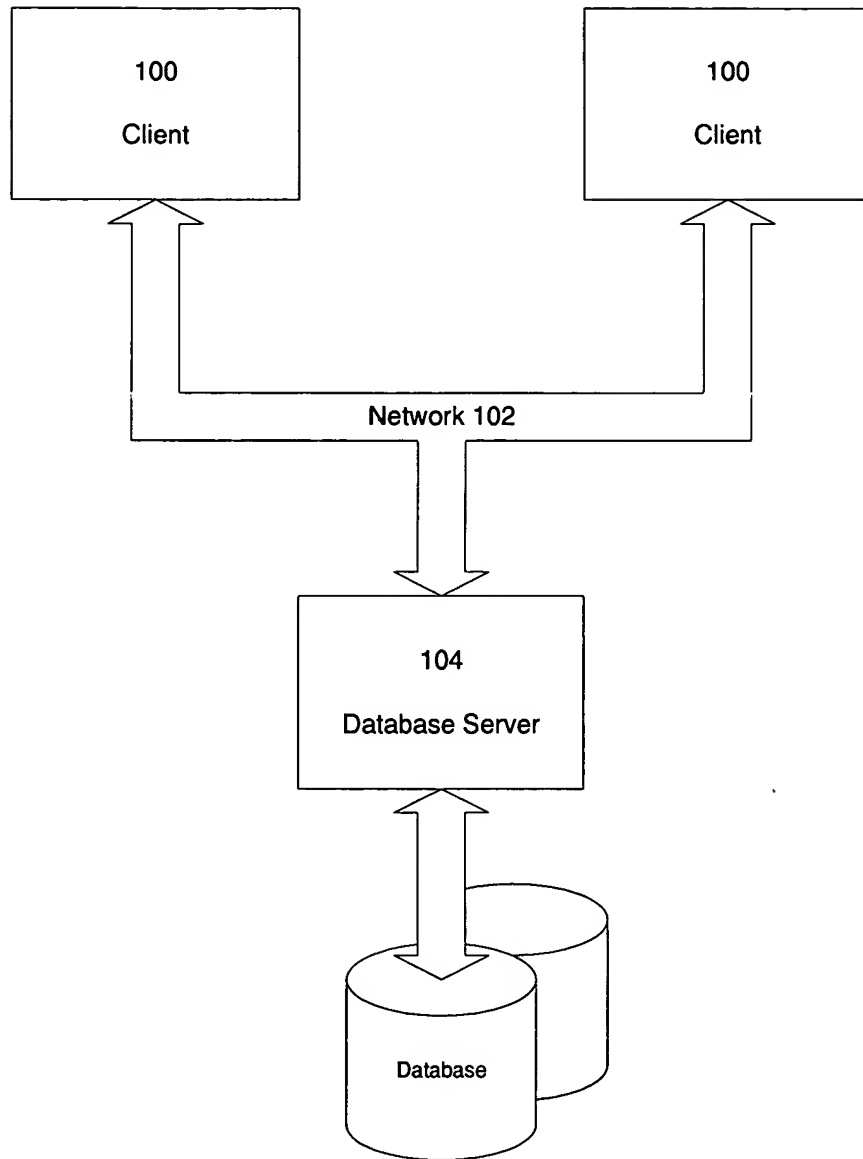


FIG. 11



**FIG. 12**